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March 14, 1997

RECEIVED

MAR 14 1997

Federal Communications Commission
Office of the Secretary

Mr. William F. Caton
Acting Secretary
Federal Communications Commission
1919 M Street, N.W., Room 222
Washington, DC 20554

Re: IB Docket No. 96-220
Notice of Ex Parte Presentation

Dear Mr. Caton:

Leo One USA Corporation ("Leo One USA"), by its attorneys, hereby notifies the Commission, pursuant to Section 1.1206 of the Commission's rules, that it participated in a meeting with Commission staff concerning the above-referenced proceeding. The following members of the International Bureau staff participated:

Paula H. Ford
Julie Garcia
Harold Ng
Cassandra Thomas

The purpose of the meeting was to discuss sharing in the 137 and 400 MHz bands. A copy of the material distributed during that meeting is attached. An original and one copy of this notice are being submitted to the Secretary's Office. Copies of this letter are being provided to the members of the staff named above.

Any questions regarding this matter should be directed to the undersigned.

Respectfully submitted,



Robert A. Mazer
Counsel for Leo One USA Corporation

Attachment

No. of Copies rec'd
List ABCDE

041

HOUSTON

DALLAS

WASHINGTON, D.C.

AUSTIN

MOSCOW

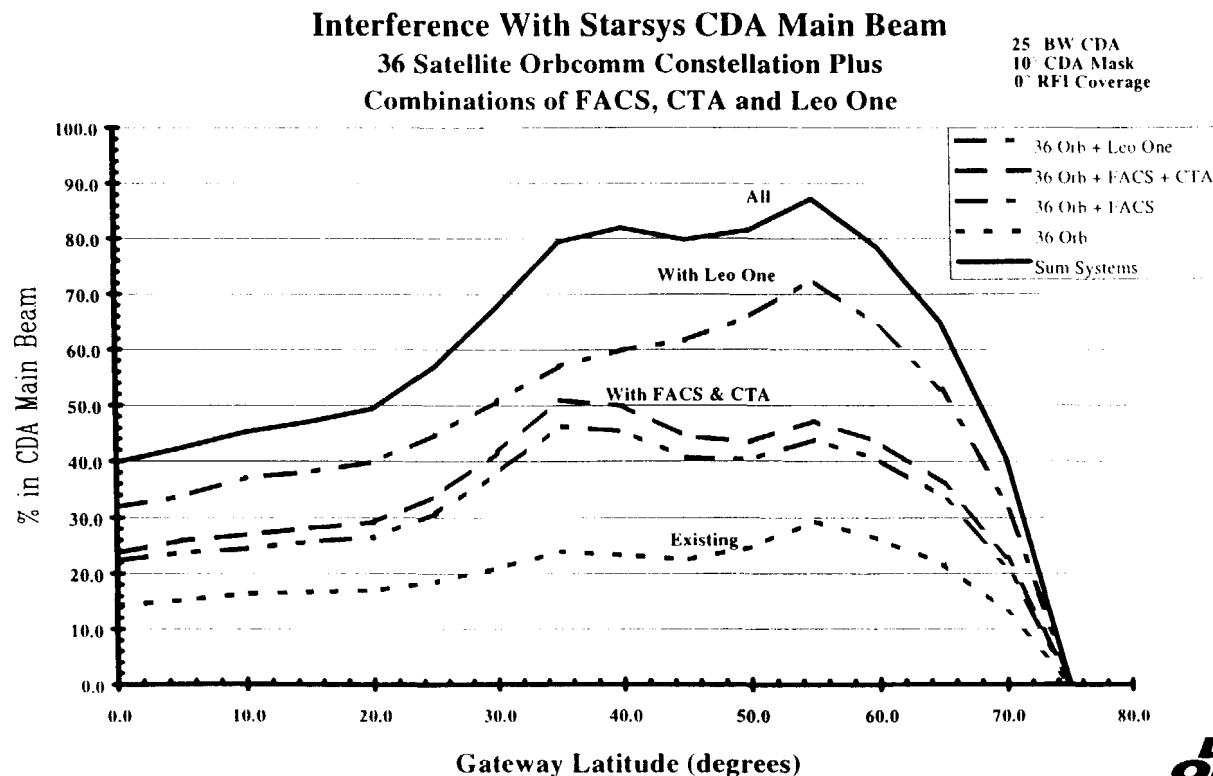
LONDON

SINGAPORE

Percent Of Time At Least One Satellite In Starsys CDA Gateway Mainbeam

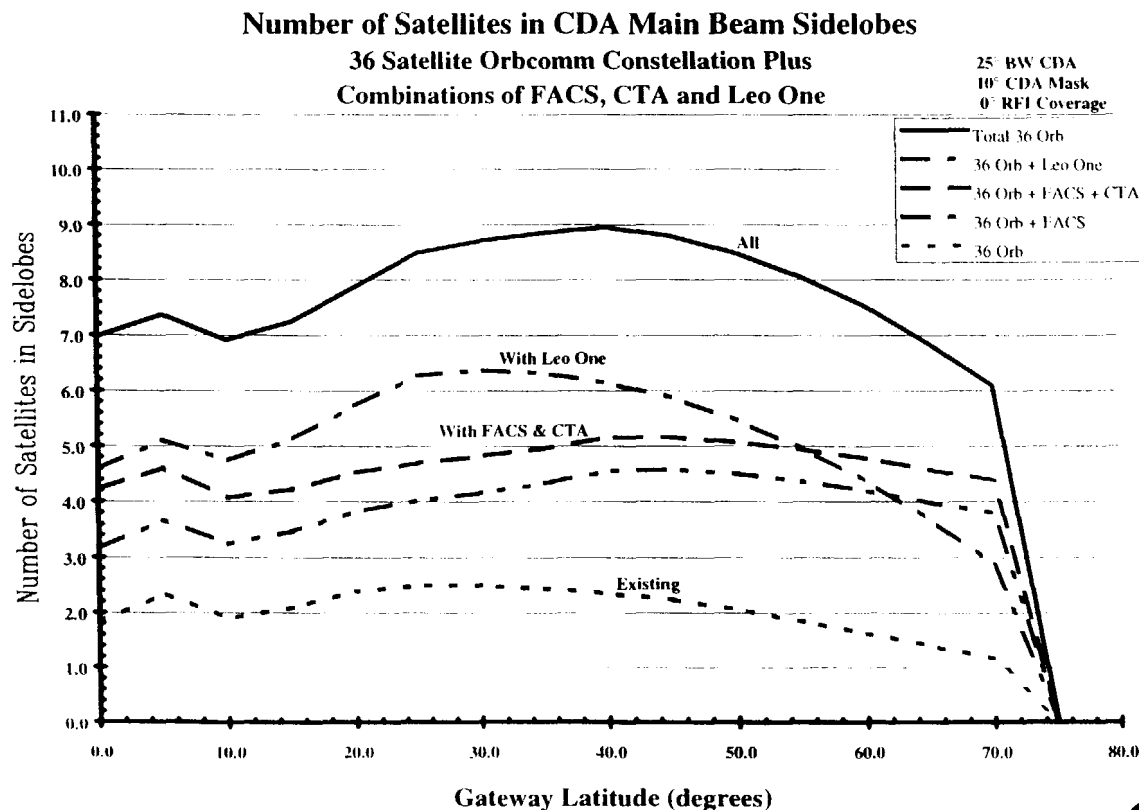
- Band Sharing With Existing Orbcomm Constellation

- At 40° N. Latitude Sharing With All Entrants Results in Interference 82% of Time
 - ▲ Starsys may require satellites to turn off downlinks
 - Large imposition on Near Real Time System Availability
- FACS & CTA Is least Impact Addition
 - ▲ Mainbeam interference 50% of time (An increase from 23%)



Number of Satellites in Sidelobes Of Starsys CDA Gateway Antenna **- Band Sharing With Existing Orbcomm Constellation**

- Sidelobe Interference With All Entrants is Average Of 9 Satellites
 - ▲ At 40° N Latitude
- FACS & CTA Is least Impact Addition
 - ▲ 2.8 additional satellites in sidelobes (5.2 satellites total)



Starsys Link Margin Degradation For 137 MHz

- Analysis Shows FACS Decreases Margin By 1.4 dB
- Leo One Decreases Margin By 2.3 dB
 - ▲ 0.9 dB more than FACS
- FACS And LEO One Combined As Per Settlement Plan Decreases Margin By 3.5 dB
- The addition of Delta Orbcomm, FACS, CTA and LEO One Decreases Margin By 5.4 dB
 - ▲ Settlement plan approach

